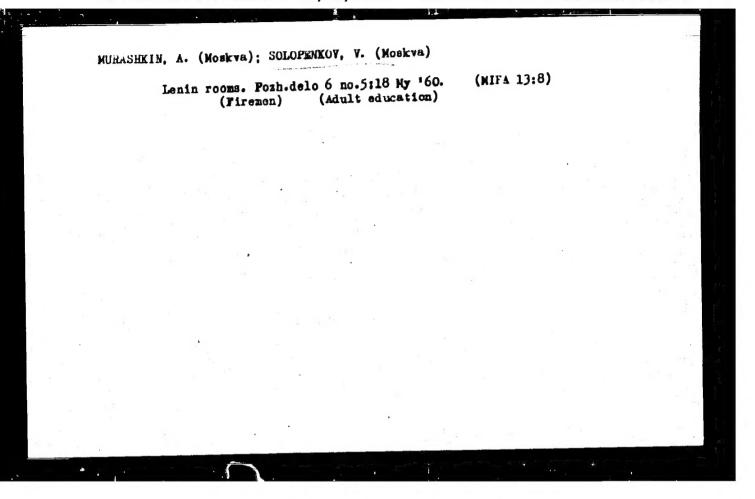


GEL PERIN, N.I., doktor tekhn.nauk; SOLOPENKOV, K.N., kand.tekhn.nauk; ARSEN'YEV, D.M.

Continuous sulfonation of synthetic aliphatic alcohols. Mnsl.-zhir. prom. 24 no.10:22-26 158. (MIRA 11:10)

1. Moskovskiy institut tenkoy khimicheskoy tekhnologii im. M.V.
Lomonosova (for Gel'perin, Solopenkov). 2. Gosudarstvenmyy nauchnotekhnicheskiy kontrol' Soveta Ministrov RSFSR (for Arsen'yev).

(Alcohols) (Sulfonation)



5:411.0 15.2220

67665

SOV/126-8-6-13/24

AUTHORS:

Matyushenko, N.N., Yefimenko, L.N. and Solopikhin, D.P.

TITLE:

Existence of the Silicide WaSi

PERIODICAL: Fizika metallov i metallovedeniye, 1959, Vol 8, Nr 6, pp 878-880 (USSR)

ABSTRACT: The authors point out that the question of the existence of W3Si has not been settled (Ref 2,3) in spite of the considerable volume of published X-ray data on the silicides of high-melting VI group metals. The conversion of higher into lower molybdenum or tungsten silicides which occurs when the surface-silicided metals are heated to about 1700°C is accomplished with the participation of a chemical reaction governed by redistribution of s- and d-electrons in the metals. The authors give this reaction in terms of the number of molecules in the unit cell and using published (Ref 1) X-ray data, calculate the volume percentage of the phases (Table 1). From considerations of isomorphism the authors calculated the W3Si lattice parameter a = 4.910 + 0.01 Å and prepared specimens in which this phase could be observed metallographically and by X-ray diffraction. To gsten (99% W) cylinders

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0"

20 mm in diameter were saturated to a depth of about

67665

SOV/126-8-6-13/24

Existence of the Silicide W3Si

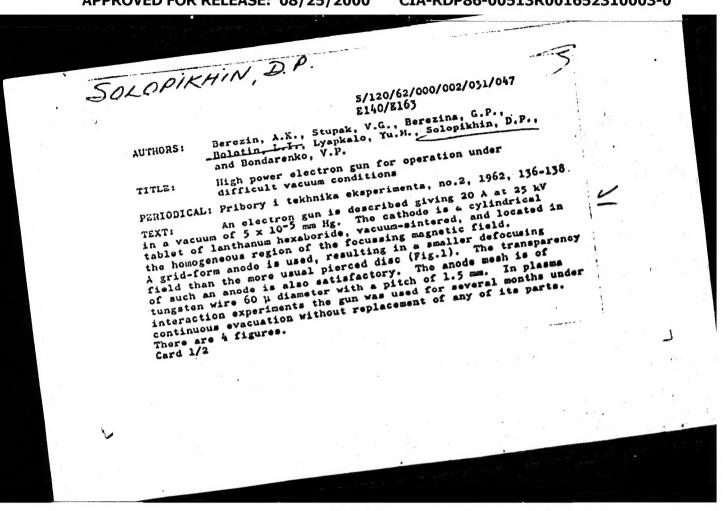
100 microns, with silicon (99% Si) in a neutral atmosphere to give two phases: WSi2 and W5Si3 (Fig 1). On heating to 1700° C in air W3Si was found at the W/W5Si3 boundary (Fig 2), from which a diffraction pattern (Fig 3) was obtained. This phase had a texture due to that of the tungsten. The authors compare (Table 2) the experimental and calculated crystallographic values for W5Si. The lattice parameter was found to be $a = 4.910 \pm 0.005$ Å, the X-ray density d = 16.2 g/cm³. There are 3 figures, 2 tables and 3 references, 2 of which are Soviet and 1 English.

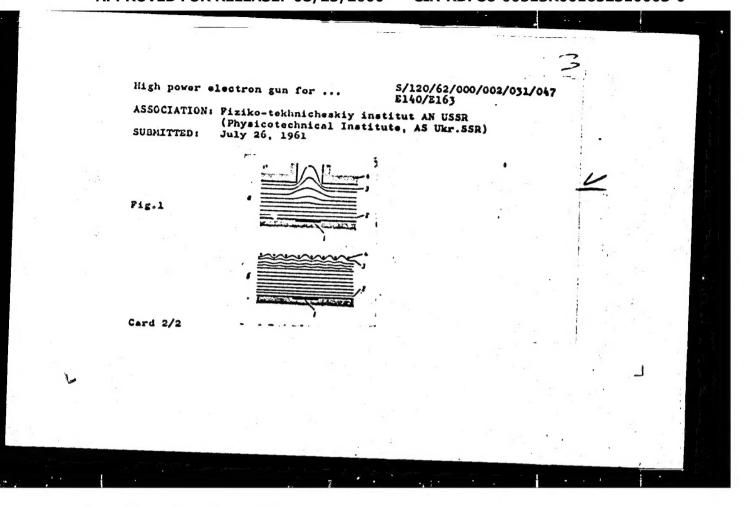
ASSOCIATION: Firiko-tekhnicheskiy institut AN USSR (Pnysico-Technical Institute, AS UkrSSR)

SUBMITTED: June 26, 1959

Card 2/2

4





Center of public attention. Posh.delo 5 no.7:13-14 Jy '59. (MIRA 12:9) 1. Inspektor Otdela posharnoy okhrany. Ehersonskogo oblispolkoma. (Kherson Province--Motion-picture projection--Safety measures)

SOLOPIY, Ivan Stepanovich; SHCKL', Georgiy Konstantinovich; KOLOMIYTSEV,
A.D., otv.red.; SHCLYAR, S.Ya., tekhn.red.

[The KS-10 scraper conveyers] Skrebkovye konveiery KS-10.

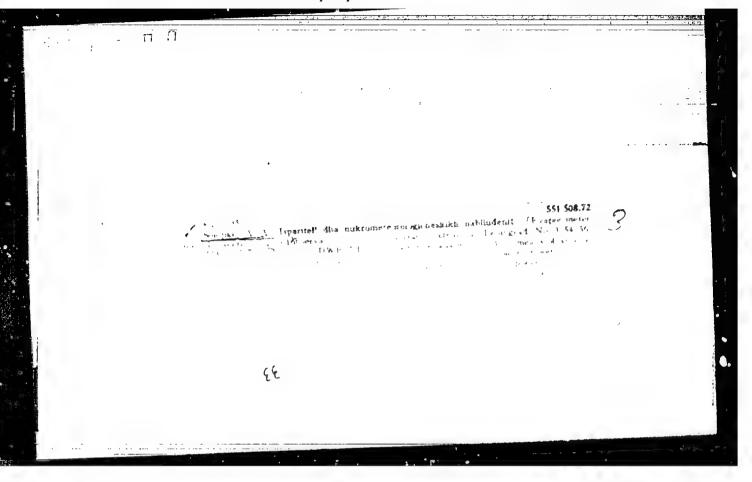
Moskva, Ugletekhizdet, 1959. 38 p. (MIRA 12:8)

(Scrapers) (Conveying machinery)

MALOV, R.V., kand. tokhn. mauk; GARGALA, E.V., Insh.; IGNATOVICE, I.V.; SOLOPIY, I.S., insh.

Developing and testing exhaust gas neutralizers for diesel-electric powered trucks. Gor. zhur. no. 12:70-42 D '65. (MIRA 18:12)

1. TSentral'nyy nauchno-isaledovatel'akiy i kenatruktorakiy institut toplivnoy apparatur; avtotraktornykh i atataionarnykh dvigateley (for Malov, Gargala, Ignatovich). 2. Gosudaratvennyy proyektno-konatruktorakiy i eksperimental'nyy institut ugol'nogo mashinostroyeniya (for Sclopiy).



OLOFFO.AA. PA - 3375 POGREBHYAK, P.S., Member of the Academy of Science of the Ukrainian SSR, IL'KUR,G.M., SOLOPKO, A.A. The Registration of Water Expenditure by Forests with the Help AUTHOR: of the Evaporation Gradient. (Uchet rashkoda vlagi lesom po TITLE Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 2, pp 454 - 457 PERIODICAL: In soil science, in the physiology of plants, and in forestry two methods of registering the transpiration of wood plants ABSTRACT: 1) an indirect one - the ground balance method (Vycotskiy) and have come into use: Although they are sufficiently exact and the difference of their results does not exceed + 5 %, they are technically complicated and require too intense manipulation. The recently elaborated gradient measuring of the diffusion transformation of water vapor and the determination of the coefficient of the turbulent diffusion were not satisfactory. The last mentioned author surgested taking the evaporation capacity in form of an exponent which integrates the factors causing the evaporation as basis of the gradient method instead of the specific humidity and of the coefficient of the turbulent diffusion. The elementary case Card 1/3

The Registration of Water Expenditure by Forests PA - 3375 with the Help of the Evaporation Gradient.

is based on the hypothesis that the evaporation process of the active surface of the investigated object is proportional to the difference of the evaporation capacity in two different heights between which the diffusion exchange takes place. A paper filter of 25 cm2 was chosen as evaporation surface. The authors investigated one year old red pine seedlings and one year old stand of Canadian poplars, moreover 4 year old stands of pine and red oak groups. The evaporators were located to in the leafiest parts of the trees and 1,5 m above them. Cut off branches served as control according to Ivanov. From schedule 2 it is evident that the results of both methods are close to each other. In further investigations an additional pair of the gradient apparatuses of A.A.Solopko was used at two points: 1) open on the ground surface, 2) at the same height, covered by tar paper. In the summer of 1956 single standing pines, birohtrees and oaks, 10 - 15 years old, were investigated. Transpiration was computed by means of the

 $T = \pi RLU - \pi R^2 U_o = \pi R(1U \cdot RU_o),$

where R - is the radius of the lower top office-section and 1 - the cone constituent. Schedule 3 proves the applicability of this method. In a dense stand there is no necessity of measuring the tops of the trees. Transpiration conditions in a forest are

Card 2/3

The Registration of Water Expenditure by Forests PA - 3575 with the Help of the Evaporation Gradient.

different to those of a single tree: in open land the gradient of the evaporation capacity increases from 1 - 2m following a straight line. In the vertical profile of the forest there are two minima of the evaporation capacity: in the air layer near to the ground and inside the top cover. As known, the daily curve of plant transpiration is comparable with the saturation deficiency. In the case under investigation the proportionality between the gradient of the evaporation capacity and the transpiration of the stand is confirmed.

(3 schedules, 6 citations from Slav publications)

ASSOCIATION:

Starosel'sk Biological Station of the Research Institute of the Academy of Science of the Ukrainian SSR

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Library of Congress

Card 3/3

SOV/21-58-2-28/28

Determining the Moisture Discharge From an Orchard Surface by the Vertical

vals of time.

There are: 1 table, 1 diagram, and 2 Soviet references.

Ukrainskiy nauchno-is ledovatel'skiy institut gidrotekhniki ABSOCIATION:

i melioratsii (Ukrainian Scientific Research Institute of Hydraulic Engineering and Eclioration)

PRESENTED:

By Member of the AS UkrSSR, P.S. Pogrebnyak

SUBMITTED:

April 19, 1957

NOTE:

Russian title and Russian names of individuals and institutions appearing in this article have been used in the trans-

Card 2/2

USCOMM-DC-60469

GALANOV, I.G., otv. red.; MATLAKHOV, S.G., otv. red.; FOLESIN, Ya.L., red.; EOGOMOLOV, A.I., red.; ZHELEZNYAKOVA, M.A., red.; ZHIDOVETSKIY, B.V., red.; ZIL'BERSHTEYN, I.A., red.; KANER, I.Ye., red.; KLYUYEVA, Ye.P., red.; KOZLOVA, Ye.I., red.; MAKAHOV, A.D., red.; SAMARTSEV, A.I., red.; SOLOPKO, A.P., red.; TIKHONOV, V.A., red.; VOLKOVA, V.A., ved., red.; red.

[Safety regulations in the gas industry; regulations obligatory for all ministries, departments, and organizations] Pravila bezopasnosti v gazovom khoziaistve; pravila tions] Pravila bezopasnosti v gazovom khoziaistve; pravila obiazateliny dlia vsekh ministerstv, vedomstv i organizatsii. Obiazateliny dlia vsekh ministerstv, vedomstv i organizatsii. Perer. i dop. izd. Moskva, Nedra, 1965. 143 p. (MIRA 18:3)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru.

PINEGIN, G.N., mladshiy nauchnyy sotrudnik; LYSIKOVA, V.N., nauchnyy sotrudnik; PORCHKHIDZE, S.A., nauchnyy sotrudnik; SEMINA, H.A., nauchnyy sotrudnik; SOLOPOV, A.V., nauchnyy sotrudnik; RAIUS, A.I., nauchnyy sotrudnik; STEL*MAKH, F.E., nauchnyy sotrudnik; YEFIMOV, P.L., otvetstvennyy red.; PROTOPOPOV, V.S., red.; FLAUM, M.Ya., tekhn. red.

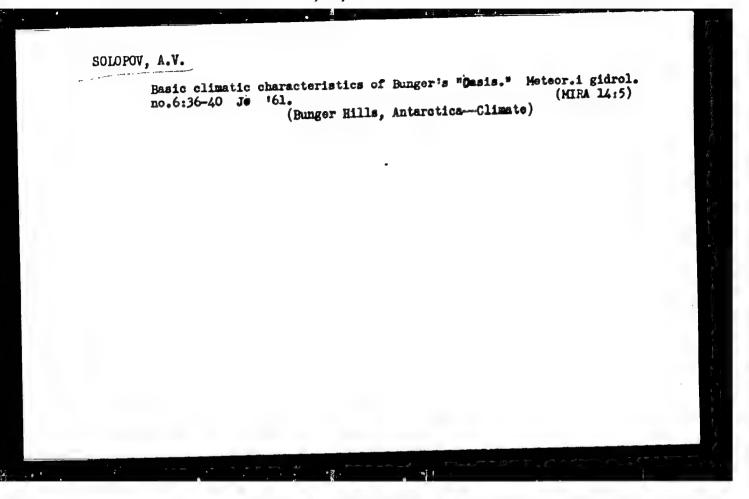
[Manual for the preparation of aerological yearbooks] Bukovodstvo po podgotovke aerologicheskikh ezhegodnikov. Ieningrad, Gidrometeor. izd-vo. Pt.3. [Temperature sounding of the atmosphere] Temperaturnoe zondirovanie atmosfery. 1956. 126 p. (MIRA 11:9)

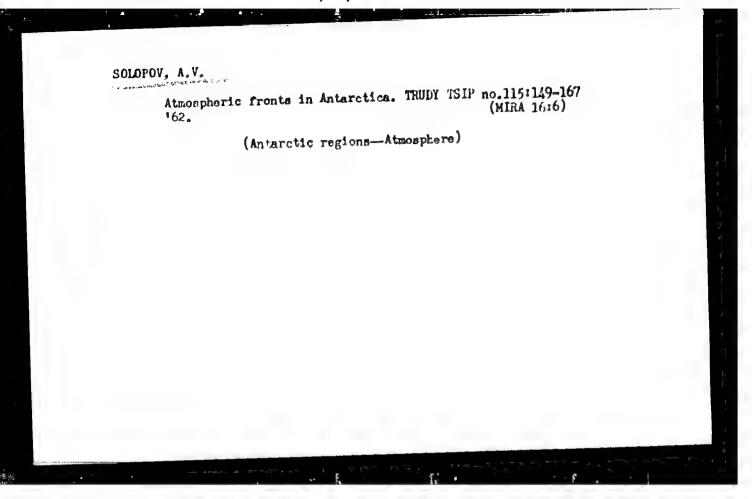
1. Bussia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby. 2. Glavnaya geofisicheskaya observatoriya (for Pinegin). 3. TSentral'naya aerologicheskaya observatoriya (for Iysikova, Porchkhidze, Semina, Solopov). 4. Nauchno-issledovatel'skiy institut aeroklimatologii (for Radus, Stel'makh). (Badio meteorology)

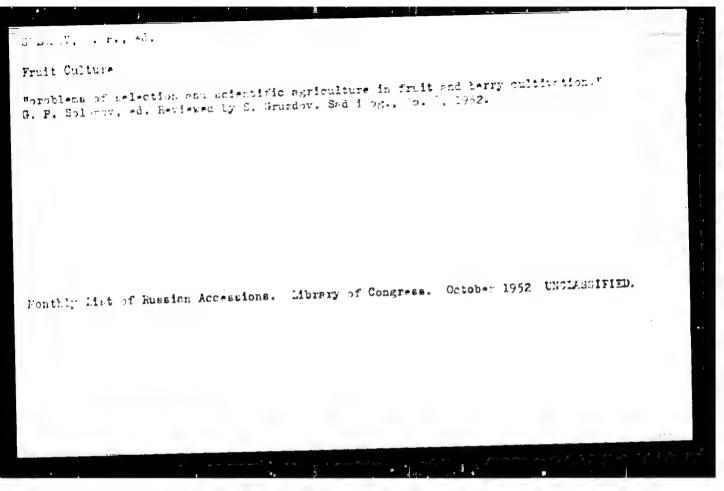
DEVYATOVA, V.A.; DEMENT'YEV, N.F.; YELFIMOV, A.V.; KUPYANSKATA, A.P.;
MAKSHOVA, A.A.; MARGOLIN, L.M.; RUDNEV, G.V.; SIROTOV, K.M.;
SOLOFOV, A.V.

Conferences, meetings, and seminars. Meteor.i gidrol. no.lls68(HIRA 15:12)

(Hydrology—Congresses) (Meteorology—Congresses)







- 1. SOLOPOV, G.P.: IVANOV, P.P.
- 2. USSR (600)
- 4. Fruit Culture
- 7. Work practice of the Moscow Regional Fruit and Berry Experiment Station. Dost. sel'khoz. no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

SOLTPOV, G. P.

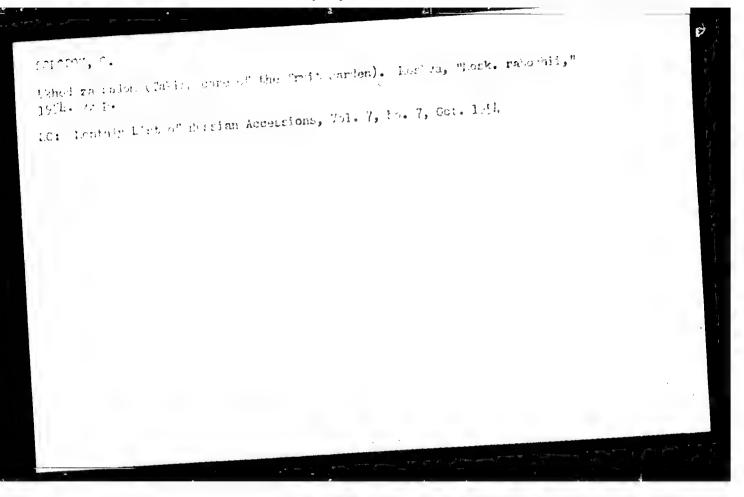
Moxeow Province - Fruit Culture

Same problems of fruit growing in Moscow Province. Sad i og. no. 1, 1953

9. Monthly List of Russian Accessions, Library of Congress, Kay 1953, Uncl.

"APPROVED FOR RELEASE: 08/25/2000 C

CIA-RDP86-00513R001652310003-0



SOLOFOV, G. P.

The cultivation of strawberries in the non-chernozem region of the USSR Moskva,
Gos. izd-vo selkhoz. lit-ry, 1955. 86 p.

1. Strawberries.

SOLOPOV, G.P., red.

[Best fruit and berry varieties] Luchshie sorts plodovoisgodnykh kul'tur. Moskva, 1957. 270 p. (MIRA 13:12)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye sel'skokhozyayatvennoy nauki.

(Fruit trees--Varieties) (Berries--Varieties)

М

M

Country : USSR

Catogory: Cultivated Plants. Fruits. Berries.

.bs Jour: RZhBiol., No 22, 1958, No 100462

: Solopov, G.P. ..uthor

70

: Surface Feeding of Cherry with Radioactive Inst Title

Elements.

Orig Pub: Vostn. s.-kh. nauki, 1957, No 2, 61-66

.bstract: The influence of surface feeding of Vladimirsknya cherry on the yield and quality of the fruits, was studied in the experiment carried out at Moscow Fruit and Berry Experiment Station. The leaves of the trees agod 5 years were sprayed with 0.05% H3B03; 0.08%

: 1/4 Card

APPROVED FOR RELEASE PAS/25/2000 to CEATROP86-00513R001652310003-0"

.bs Jour: RZhBiol., No 22, 1958, No 100462

ZnSO4; 0.08% ammonium molybdate; 0.05% Cuso4; 13 NH4NO3; 17 KCl or 1% Pc and also with Ra227, 2n65 or Go60. 0.5 liters of the solution were expended on each tree. The netivity of the radioactive elements comprised: Ra22710-10, Co60-10-10, Zn653.2 · 10-8 curics to 100 millimeters of the solution. The plents were treated twice - in the middle of May and in the beginning of June. In the calculation of the yield, it was found that with the spraying with N, P and K, the yield of fruits from 1 tree was almost unchanged, and sometimes decreased by 10-30%. ..fter the spraying with Cu, MO, B + Cu and B + Mo

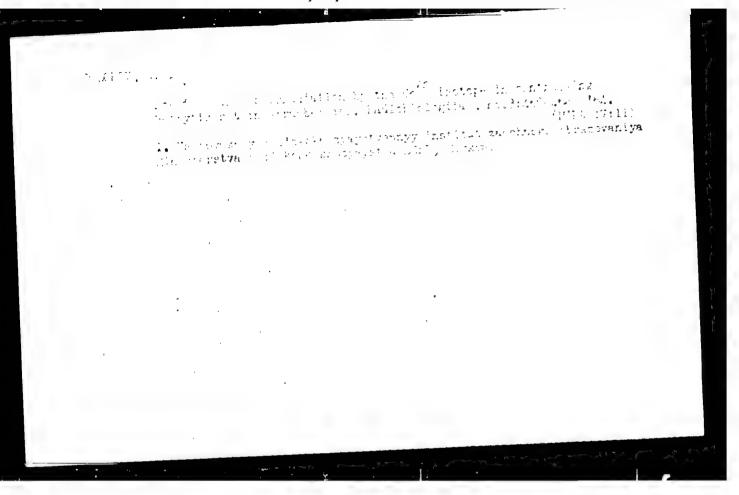
: 2/4 Card

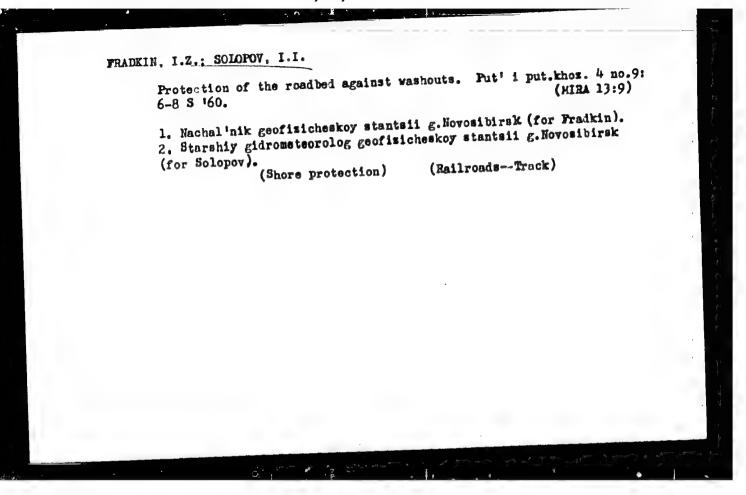
SOLOPOV, Grigoriy Platonovich, kand. sel'khoz. nauk; ROZHKOV, M.I., prof., red.; SHULEYKIN, P.A., red.; NAZAROVA, A.S., tekhn. red.

[The orchard bears fruit every year] Sad pledonosit eshegodno. Pod red. M.I.Rozhkova. Moskva, Izd-vo "Znanie," 1963. 45 p. (Narodnyi universitet kul'tury; Sel'skokhoziaistvennyi fakul'tet, no.1) (Fruit culture)

ZATUCHNAYA, Anna L'vovna; ZUBAREV, Matvey Nikodirovich; PANTELEYEV, Viktor Stepanovich; SEREERO, Trigoriy Yakovlevich; SOLOFOV, Grigoriy Platonovich, kand. sel'khoz. nauk; SELEZNEV, N.G., red.

[Orchards and berry patches] Sady i iagodniki. [By] A.L. Zatuchnaia i dr. Tula, Tul'skoe knizhnoe izd-vo, 1963. (MIRA 17:6)





FRIDKIN, I.Z.; SOLOPOV, I.I., starship gidrometeorolog (g.Novosibirsk)

Snow guards with irregular slots. Put' i put.khos. 4 no.10;
17-19 0 '60. (MIRA 13:9)

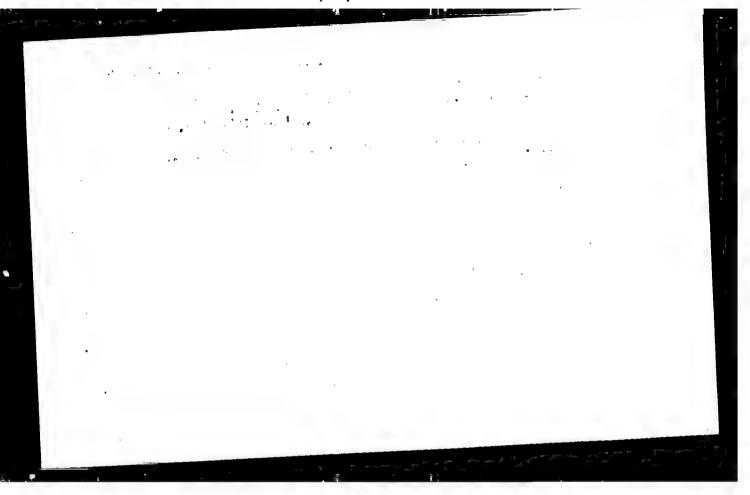
1. Nachal'nik geofizicheskop stantsii, g. Novosibirsk.

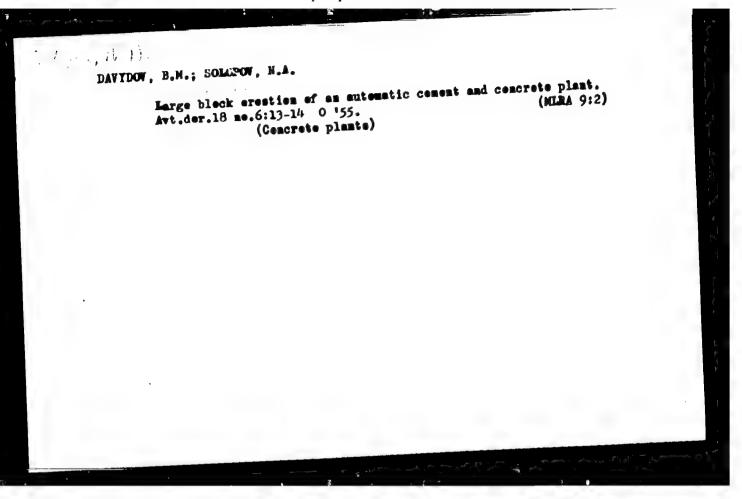
(Railroads--Smow protection and removal)

FRADKIN, I.Z.; SOLOPOV, I.I.

Time has come to create new types of tree belts, Put' i put.khoz.
7 no.8:43-44 '63.

1. Nachal'nik geofizicheskoy stantsii sluzhby puti Zapadno-Sibirskoy dorogi, Novosibirsk (for Fradkin). 2. Starshiy meteorolog geofizicheskoy stantsii, Novosibirsk (for Solopov).





APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0"

AMIRKHANOV, N.A.; SOLOPOV, N.S.

Introducing Grambs kotschyana Boiss into cultivation. Biul.Glav. bot.sad no.52:32-34 '64. (MIRA 17:4)

1. Samarkandskiy gosudarstvennyy universitet imeni Alishera Navoi.

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0

SHNEPP, V.B., inzh.; SOLOPOV, N.Ya., inzh.

High-messure circulation centrifugal compressor. Khim. i neft.

mashinostr. no.1:8-10 J1 '64. (MIRA 17:12)

SOLOPOV, Sergey Georgiyevich

(Moscow Peat Inst), Academic degree of Doctor of Technical Sciences, based on his defense, 11 March 1955, in the Council of the Inst of Mining of the Acad Sci USSR, of his dissertation entitled: "Bases of the complex mechanization of the mining of peat for fuel by excavation process with the lowering of operating humidity" and Academic title of Professor. Chair: "Mechanics of Peat."

Academic degree and/or title: Doctor of Sciences and Professor

SO: Decisions of VAK, List no. 17, 9 Jul 55, Byulleten' MVO SSR, No. 17, Sept 56, Moscow, pp 9-16, Uncl. JPRS/NY-435

HAUSIN, A.F.; SOKOLOV. A.A.; ANTONOV, V.Ya.; KURDYUMOV, S.V.; BKL'KEVICH, P.I.; SAVINYKH, A.I.; KARAKIN, F.F.; SOLOHOV, S.G.; YEFFIHOV, V.S.; YARIVITSIN, V.I.; RABKIN, B.A.; BABARIN, A.F.; HATVEIEV, L.M.; FUNIKOV, S.A.; CHERNENKOV, D.P.; BULAYEVSKIY, N.V.; kandidat tekhnicheskikh nauk; SHINKARINK, K.K.; TSUPROV, S.A.; GINZHURG, L.N.; VASIL'YEV, Yu.K.

Scientific and technical conference on the work of the peat industry of the Ministry of Electric Pewer Stations. Torf.prom. 32 no.2:1-20
(MLRA 8:5)

1. Zamestitel' ministra elektrostantsiy (for Bausin). 2. Zamestitel' direktora VNIITP (for Sokolev). 3. Zamestitel' direktora MTI (for Antonov. 4. Zamestitel' direktor "'krmiimesttopprom" (for Kurdyunov).
5. Direkter Instituta torfa AN BSSE(for Bel'kevich). 6. Machal'nik Glavenergozapchasti MES(for Savinykh). 7. Glavmyy inshemer Ivamovskogo torfetresta (for Karskin). 8. Zamestitel' direktora MTI (for Sele pov) 9. Upravlyayushchiy Shaturskogo torfetresta (for Yefimov). 10. Glavmyy mekhanik Invanosvkogo torfetresta (for Yarovitsin). 11. Glavmyy mekhanik Leningradskogo torfetresta (for Rabkin). 12. Glavmyy inzhener Ozeretsko-Neplyuyevskogo torfetresta (for Matveyev). 14 Rusovoditel' laberatorii VNIITP (for Funikov). 15. Glavmyy inzhemer tresta Lentorfostroy (for Chemankev). (Continued on next card)

Technological principles of preducing quality piece fuel in

developing lew operational meisture peat deposits. Mauch. dokl.
vys. shkoly; gor. delo no.1:41-49 '58. (MIRA 11:6)
vys. shkoly; gor. delo no.1:41-49 '58.

1. Predstavlena kafedroy trofyanoy mekhaniki Moskovskogo torfyanogo
instituta. (Feat)

SOLOPOV, S.G., prof., doktor takhn.nauk

Main problems for research on the complete utilisation of peat and on
its deposits. Hauch.dokl.vys.shkoly; gor.delo. no.4:255-257 ' 58.

(MIRA 12:1)

1. Predstavleno Moskovskim torfyanym institutom.

(Peat)

ALEKSBYEV, Yo.T.; APENCHENKO, S.S.; BASOV, A.P.; BAUSIN, A.F.; HERSHADSKIY, L.S.; VELLER, M.A.; GINZEURG L.·N.; GUSEV, S.A.; DANILOV, G.V.; DOLGIKH, M.S.; DRUZHININ, N.N.; YEFIMOV, V.S.; ZAVADSKIY, H.V.; IVASHECHKIN, N.V.; KARAKIN, F.F.; KUZHMAN, G.I.; LOBAHOV, S.P.; MERKULOV, YA.V.; NIKODIMOV, P.I.; PANKRATOV, H.S.; PYATAKOV, L.V.; HODICHEV, A.F.; SHIRHOV, M.S.; STRUKOV, B.I.; SAVOCHKIN, S.M.; SAMSONOV, N.N.; SINITSYN, N:A.; SCHOLOV, A.A.; SOLOPOV, S.G.; CHELYSHEV, S.G.; SHCHEPKIN, A.Ye.

Fedor Nikolaevich Krylov; obituary. Torf. prom. 35 no.6:32 158.
(Krylov, Fedor Nikolaevich, 1903-1958)

SOLOPOV. Sergey Georgiyevich, prof., doktor tekhn.nauk; ISLAHKINA, T.F., red.; ATROSHCHERKO, L.Ye., tekhn.red.

[Peat in the national economy] forf w narodnom khoziaistve. Moskva, Izd-vo "Znanie," 1959. 30 p. (Vsesoiuznos obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.4, Mauka i tekhnika, no.22) (Post industry)

CIA-RDP86-00513R001652310003-0" APPROVED FOR RELEASE: 08/25/2000

SOLOPOV, S.G., prof., doktor tekhn. nauk; BULAYEVSKIY, N.V., dotsent, kand. tekhn. nauk

Intensive drainage of peat deposits by means of deep drainage ditches. Nauch. dokl. vys. shkoly; gor. dele ne.1:15-20 159. (MIRA 12:5)

1. Predstavlena kafedroy torfyanoy mekhaniki i gidretekhniki Kalininskogo (b. Meskevek.) torfyanogo instituta. (Peat) (Drainago)

SOLOPOV, S.G., prof.

Controlling the caving-in and eliding of peat n open-pit workings. Isv.wys.ucheb.mav.; gor.mhur. no.10; '159.

(MIMA 13:5)

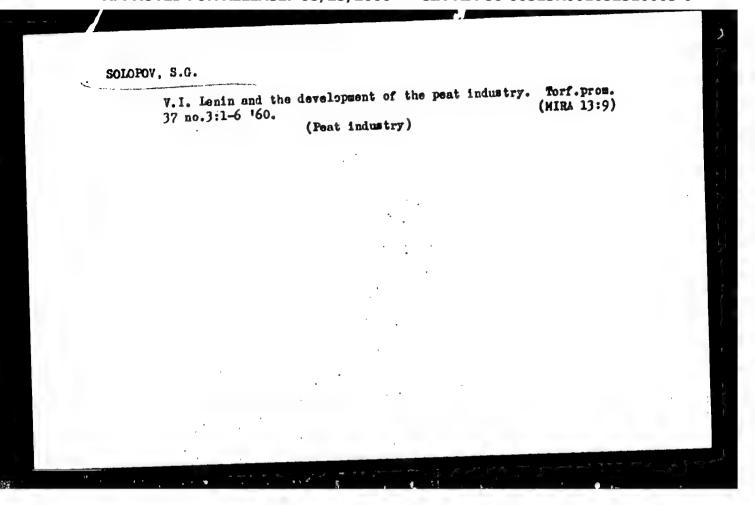
1. Kalininskiy torfyanoy institut.

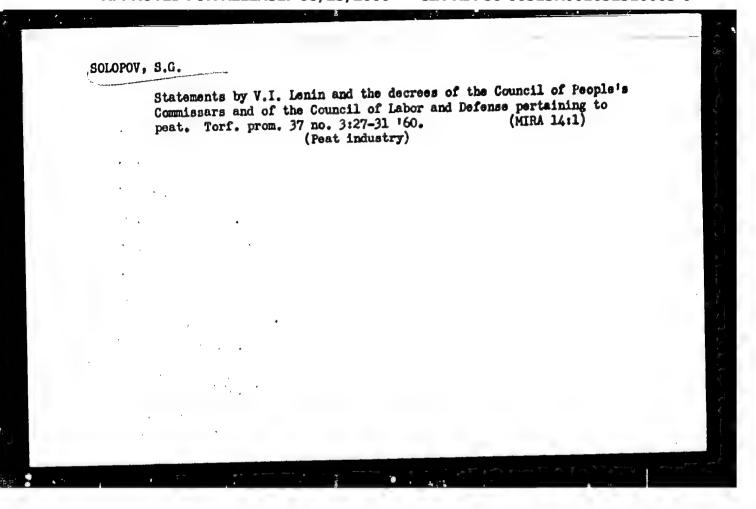
(Peat) (Strip mining)

SOLOPOV, S.G., prof., doktor tekhn.nauk; ANISIMOV, P.F., kand.tekhn.nauk

Physical and mechanical properties of vacuum-dried peat and
prospects for its use in the national economy. Torf.prom. 37
no.2:13-16 **160.

1. Kalininskiy torfyanoy institut.
(Peat)





Complete mechanization and automation of operations, and a continuous peat fuel production cycle. Torf.prom. 38 no.2:11-13 '61. (HIRA 14:3)

1. Kaliniskiy torfyanoy institut. (Peat industry—Automation)

SOLOPOV, S.C., doktor tekhn. nauk; CORTSAKALYAN, L.O., inah.

Problems of the pneumatic transporation of milled peat in horizontal tubes. Torf. prom. 38 no.6:6-11 '61. (HIRA 14:9)

1. Kalininskiy torfyanoy institut. (Pneumatic-Tube transportation)

(Peat-Transportation)

SOLOPOV, S.G., prof.; NAZHESTKIN, B.P., kand.tekhn.nauk

Physicomechanical properties of wibrated peat and prospects for using it in the national economy. Izv. vys. uch. sav.; gor. zhur. 5 no.6:9-12 '62. (MIRA 15:9)

1. Kalininskiy torfyanoy institut. Rekomendovana kafedroy torfyanoy mekhaniki.

(Peat-Testing)

BELOKOPYTOV, I.Ye.; BERESNOVICH, V.V.; BERSHADSKIY, L.S.; VEYTS, L.F.;
ZHUKOV, A.G.; IVASHECHKIN, N.V.; KUZHMAN, G.I.; LASHEV, I.A.;
MURASHOV, F.G.: NIKODIMOV, P.I.; PATAKOV, L.V.; SAMSONOV, N.M.;
SKRENSKIY, Io.P.; SIMITSYN, N.A.; SOLOPOV, S.G.; STRUKOV, B.I.;
STEBIKHOV, M.I.; TSUPROV, S.A.; CHERNOV, A.A.; CHULTUKOV, M.A.

Ivan Aleksandrovich Monakin. Torf. prom. 37 no. 3;37 '60.
(MIRA 14:1)

(Monakin, Ivan Aleksandrovich, 1908-1960)

ABKHAZI, V.I.; ANTONOV, V.Ya.; BELOKOPYTOV, I.Yo.; VARENTSOV, V.S.; GORYACHKIN,
V.G.; ZYUZIN, V.A.; KHYUKOV, M.N.; KUZHMAN, G.I.; OZEROV, B.N.;
RIVKINA, Kh.I.; SEMENSKIY, Yo.P.; SOKOLOV, A.A.; SOLOPOV, S.G.; STRELKOV,
S.S.; TYUREMNOV, S.N.; CHULYUKOV, M.A.

Sergei Akekseevich Sidiakin. Torf.prom. 38 no.2:40 161. (MIRA 14:3) (Sidiakin, Sergei Alekseevich, 1897-1960)

SOLOPOV, Sargey Georgiyevich, prof., doktor tekhn.nauk; MURASHOV,
Mikhail Vasil'yevich, dots., kand. tekhn. nauk; MIRKIN,
Mikhail Abramovich, inzh.[deceased]; ANISIMOV, Pavel
Fedorovich, kand. tekhn. nauk; GORTSAKALTAN, Loris
Oganesovich, kand. tekhn. nauk; NAZHESTKIN, Boris Petrovich,
kand. tekhn. nauk; PESKOV, Vladimir Glebovich, kand. tekhn.
nauk; SAMSONOVA, M.T., red.izd-va; YEZHOVA, L.L., tekhn.red..

[Peat machines; their theory, calculation, and design]Torfianye mashiny; teoriia, raschet i konstruirovanie. [By]S.G.Solopov i dr. Moskva, Vysshaia shkola, 1962. 353 p. (MIRA 16:3) (Peat machinery)

ABKHAZI, V.I.; ANTONOV, V.Ya.; BLYUMENBERG, V.V.; VARENTSOV, V.S.;

VELLER, M.A.; ZYUZIN, V.A.; IVANOV, V.N.; KUZHBAN, G.I.;

LIKIN, A.V.; PATUSYEV, A.M.; CZEROV, B.M.; PAL'TSEV, A.G.;

FEROV, N.P.; PROKHOROV, N.I.; RAKOVSKIY, V.Ye.; SENCISKIY, Ye.P.;

SCLOPOV, S.G.; TYURENHOV, S.N.; TSUPROV, S.A.; CHULYUKOV, M.A.

Viktor Georgievich Goriachkin; obituary. Torf.prom. 39 no.4:40

(Goriachkin, Viktor Georgievich, 1893-1962)

(Goriachkin, Viktor Georgievich, 1893-1962)

 SOLOPOV, S.G., doktor tekhn.nauk; SHERZHUKOV, B.S., kand.tekh.nauk; DZEKTSER, Ye.S.

Intensive draining of peat bogs. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. no.11:34-37 '62. (MIRA 15:11) (Peat bogs) (Drainage)

SOLOPOV, 5.0., doktor tokhn.neuk, prof., zarezzzernyy deyatel neukt 1 tokoniki PSFSR
setion of peat winning and processing. Terf.prom. 40 no.8:4-7 163.

(MIRA 17:3)

1. Kalininskiy torfyanoy icatitut.

SOV-117-58-8-25/28

AUTHOR:

Solopov, Ye.N., Engineer

Exhibits of the Soviet Union (Eksponaty Sovetskogo Soyuza)

TITLE:

Mashinostroitel', 1958, Nr 8, pp 43-45 (USSR)

PERIODICAL: ABSTRACT:

In Brussels, several Soviet machines are exhibited which have been presented to the International Jury to be awarded a premium. Among these machines is the automatic line model MR107 (Figure 1). It was produced by the Moskovskiy zavod imeni Ordzhonikidze (Moscow Plant imeni Ordzhonikidze). The machine is used for the production of step rollers of 90 mm in diameter and a length of 380 mm. The coordinate-boring machine with program control model 2A430P (Figure 2) was produced by the Odesskiy zavod imeni Kirova (Odessa Plant imeni Kirov). The program control in this machine increases productivity by 25-75 %. The spindle in this machine has 6 different speeds ranging from 145-2,900 rpm. The 5 electromotors have a total capacity of 1.7 kw. The coordinateboring optical machine of the portal type model LR87 was produced by the Leningradskiy zavod imeni Sverdlova (Leningrad Plant imeni Sverdlov). It has an operating table of 2,200-1,400 mm (Figure 3) with a vertical and a horizontal spindle It is used for boring openings in details of up to head.

Card 1/2

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0

Exhibits of the Soviet Union

SOV-117-58-8-25/28

2,000 kg. The spindle speeds range from 36-1,800 rpm. The vertical 6-spindle automatic hydraulic turning lathe of parallel action, model 1272 (Figure 4), was produced by the Moskovskiy zavod "Krasnyy proletariy" (Moscow Plant "Krasnyy proletariy"). It is used for machining details in mass production. The spindles have 56 speeds ranging from 65-1,440 rpm. The total power of all installed electromotors is 168 kw.

1. Machine tools - USSR

Card 2/2

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0

AUTHOR:

Solopov, Ye.W., Engineer

504-117-58-9-18/22

Exhibits of the Soviet Union (Eksponaty Sovetskogo Soyuza)

TITLE:

Mashinostroitel', 1958, Nr 9, pp 42-44 (USSR)

PERIODICAL: ABSTRACT:

The article contains descriptions, illustrations and technical characteristics of the following machines exhibited at the Prussels Fair by the Soviet Union: 1) horizontal boring machine with program control of the "262 PR" type, ?) gear-cutting semi-automatic machine of the "528" type: 3) balancing automatic machine of the "9720" type; 4) gear-grinding semi-auto-matic machine of the "5872" type.

There are 4 photos.

1. Machine tools--USSR

Card 1/1

- 26/35

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652310003-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0

Exhibits of the Soviet Union. At the Bruscels World Fair

etc.); ultrasound broaching machine, model 4772, for machining of brittle and hard materials (glass, ceramic, are 6 photos and 6 tables.

1. Machine tools—USSE

Card 2/2

AUTHOR:

Solopov, Ye.N., Engineer

SOV/117-58-11-33/36

TITLE:

Exhibits of the Soviet Union (Eksponaty Sovetskogo Soyuza)

Mashinostroitel', 1958, Nr 11, pp 43 - 44 (USSR)

ABSTRACT:

PERIODICAL:

A device for program control has been developed for the three-coordinate milling machine model 6N13-PR. The program is recorded on a magnetic tape. The device is based on semiconductors. A device for digital program control of the vertical copying and milling machine model 6M42P of the vertical copying and milling machine model 6M42P is shown in Figure 2. The program is recorded on a perforated tape. The device contains 17 electronic tubes and 300 semi-conductor triodes. The turning lathe model 1K62 can be equipped with a device for digital program control which contains 150 semiconductor triodes. There are 3 photos.

1. Machine tools-Automation 2. Control systems-Equipment

Card 1/1

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0

25(0)

SCV/117-59-3-31/37

AUTHOR:

Solopov, Ye. N., Engineer

TITLE:

The Exhibits of the Soviet Union (Eksponaty Sovets-

kogo Soyuza)

PERIODICAL:

Mashinostroitel', 1959, Nr 3, p 41 (USSR)

ABSTRACT:

The article lists Soviet machine tools that were

demonstrated at the Brussels World Fair and the

prizes awarded for some machines.

Card 1/1

SOLOPOVA, A.I.

Method of determining the total amount of fat and wax substances and dyestuffs in a cotton liber of natural color. Izv. AN Turk. (MIRA 16:5) SSR. Ser. biol.nauk no.2:25-30 163.

1. Institut khimii AN Turkmenskoy SSR. (COTTON—AFALYSIS)

POPOV, V.A., assistent; SOLOPOVA, K.Ye., assistent; YUSHKOV, P., kand.fiz.-matem.nauk, prof.

Determining natural frequencies of a shaft with a disk. Izv.vys. ucheb.zav.; mashinostr. no.6:71-77 62. (MIRA 15:11)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti.
(Shafting--Vibration)

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0

SOLOPOVA, POLINA

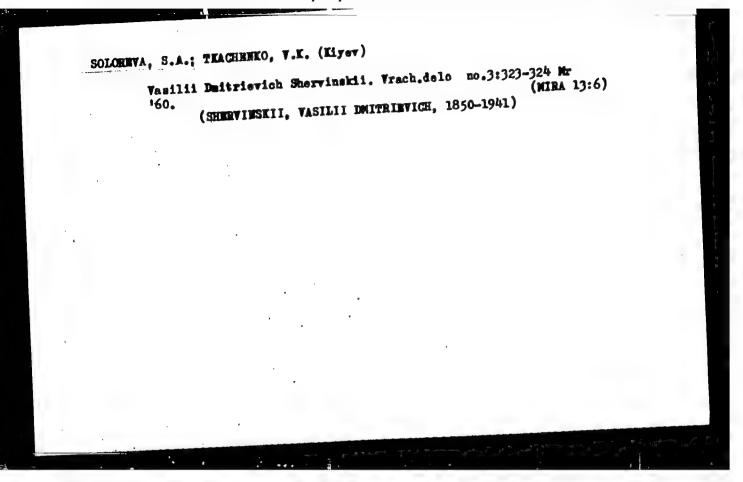
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in the track. Mol. kolkh. no. 7, 1952

Monthly List of Russian Accessions, Library of Concress Rovember 1952 UNCLAS INTER

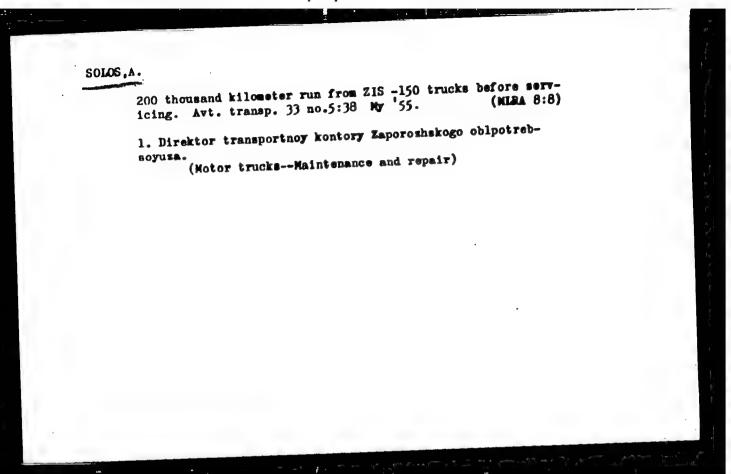
"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0

COUNTRY USSR CATEGORY Pharmacology and Toxicology. Chemotherapeutical Proparations. Antibiotics APE. SCITE. RZhBiol., No. 1 1959, No. 4654 AUTHOR Karakhodzhayov, B.; Solopova, Yu.S. INST. TITLE : Treatment of Dysenteric Children with Levomycetin ORIG. PUB. * Med. zh. Uzbokistana, 1957, No.4, 29-31 APSTRACT : No abstract 1/1 CARD:



Blood supply for human teeth. Probl. stom. 5:387 '96 '60.

1. Kiyevskiy meditsinskiy institut.
(TEETH_BLOOD SUPPLY)



EL'KIHA, Yu.A.; SOLOSHCHEVA, V.M.; RAKHHANCHIK, G.I. 5 no.8:44-47 Colienteritis in young children. Zdrav. Belor.

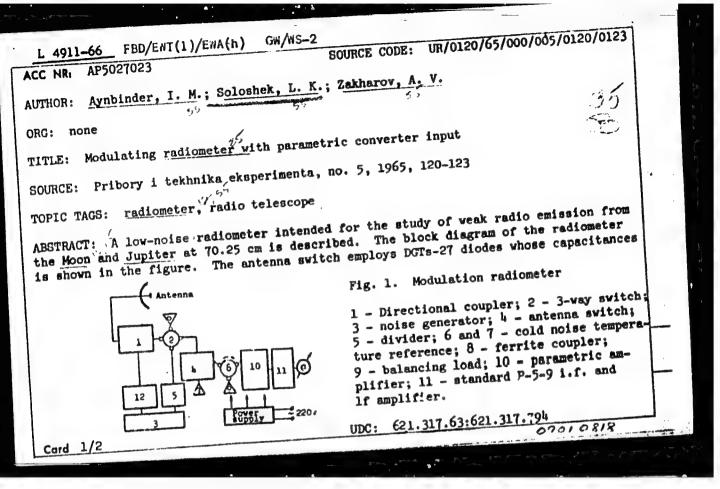
(HIRA 12:10) Ag 159.

1. Is kufedr infektsionnykh bolezney Minskogo meditsinskogo instituta (zaveduyushchiy - prof.A.N.Filippovich), Belorusskogo instituta usovershenstvovaniya vrachey (zaveduyushchiy - dotsent N. V. Bondareva) i Minskogo Instituta epidemiologii, mikrobiologii i gigiyeny (direktor V.I.Votyakov). (ESCIERICHIA COLI) (IN (INTESTINES--DISEASES)

BONDAREVA, N.V.; SOLOSHCHEVA, V.M.

Clinical aspects of influenza. Zdrav. Bel. 9 no.8:15-18 Ag 63 (MIRA 17:3)

1. Iz kafedry infektsiomnykh bolezney Belorusskogo gosudarstvennogo instituta usovershenstvovaniya vrachey (zav. - prof. M.N.Bessonova) i Minskoy infektsionnoy bolinitsy (glavnyy vrach Z.G. Alikina).



L 4911-66

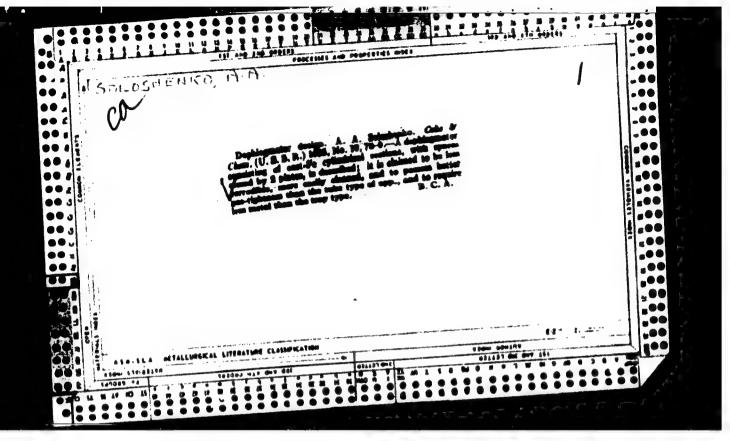
ACC NR: AP5027023

are compensated by inductances. In the off position, the transmission loss through the switch is 18 db; in the on position, it is 0.2-0.3 db; VSWR = 1.21:1. It has a 3-db bandwidth of 15%, and switching time is 15-20% of the modulating period. The ferrite directional coupler (3) is a Y-circulator with 1.6-db transmission loss in the forward direction and 17.3 db in the backward direction; VSWR = 1.12:1. In order to provide maximum sensitivity, additive noise is applied through the attenuator (12) to the antenna arm, balancing the temperature of the arms. The parametric amplifier design assures maximum sensitivity by maximizing the ratio of its noise temperature to the bandwidth, keeping the regeneration factor low (0.5-0.6). The parametric converter converts the input signal to the i.f. range with the aid of a klystron oscillator with a 9228-Mc pump frequency. An additional 398-Mc BFO and a balanced mixer form the output signal. Converter noise temperature is 150K with 15-Mc bandwidth; however, in order to assure proper coupling with coupler 8, the converter temperature (allowing for losses in the coupler) is 300K. Orig. art. has: 2 figures.

SUB CODE: EC, M/SUBM DATE: 14Jul64/ ORIG REF: 001/ ATD PRESS: 4/3C

Card 2/2

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0



5,2000,18,3200

77498 sov/80-33-1-7/49

AUTHORS:

Kireyeva, M. V., Soloshenko, A. A.

TITLE:

Concerning the Role of Calcium Oxide in the Oxidation Process of Chromite Charges

PERIODICAL:

Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 1, pp 43-49

(USSR)

ABSTRACT:

Investigation of the oxidation of chromite ores with lime in rotary kiln roasting conditions showed that Cr reacts with CaO to form a compound soluble in acid which, according to chemical, microscopic, and X-ray analysis, corresponds to the chromato-chromite 9CaO.

4cro3.cr203:

 $3(MgO \cdot Cr_2O_3) + 9CnO + 3O_3 = 9CnO \cdot 4CrO_3 \cdot Cr_2O_2 + 3MgO_4$

Card 1/2

Concerning the Role of Calcium Oxide in the Oxidation Process of Chromite Charges

77498 sov/80-33-1-7/49

The above chromato-chromite reacts quickly and at low temperature with soda and gives $Na_{2}CrO_{h}$:

 $9CaO \cdot 4CrO_3 \cdot Cr_3O_3 + 6Na_4CO_3 + \frac{3}{2}O_3 = 6Na_4CrO_4 + 9CaO + 6CO_3$.

A new method of roasting chromite ores is advanced by the authors. The ore is mixed with lime and 3% soda (based on the weight of the charge), and roasted in a rotary kiln at 1,000° C. The clinker thus obtained is mixed with soda in the stoichiometric proportion necessary for the formation of sodium monochromate, and the mixture is roasted again at 600-700° C. There are 7 tables; 3 figures; and 6 references, 2 U.K., 4 Soviet. The U.K. references are: W. F. Ford, W. F. Rees, Trans. Brit. Ceram. Soc., 47, 6, 207 (1948); W. F. Ford, J. White, ibid., 48, 10, 417 (1948).

SUBMITTED: Card 2/2 February 16, 1959

18.3200

77637 sov/80-33-2-12/52

AUTHORS:

Kireyeva, M. V., Soloshenko, A. A.

TITLE:

Concerning the Composition of Chromite Charges

PERIODICAL:

Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 2, pp

337-340 (USSR)

ABSTRACT:

The minimum amount of CaO required for binding SiO_2 , Al_2O_3 , and Fe_2O_3 during the roasting of chromites was usually determined by formula (I):

 $C_0O = 1.88 \text{ SiO}_3 + 0.91 \text{ Al}_2O_3 + 0.82^*_a\text{Fe}_2O_3$

(1)

where CaO is amount of calcium oxide (in g) per 100 g of ore; Al_2O_3 , SiO_2 , and Fe_2O_3 are the percentual contents of the oxides in the ore. It was assumed that CaO is necessary only to neutralize these acid

card 1/3

Concerning the Composition of Chromite Charges

77637 80V/80-33-2-12/52

oxides which form, with CaO, the compounds $4\text{CaO} \cdot \text{Al}_2\text{O}_3$; $5\text{CaO} \cdot 3\text{Al}_2\text{O}_3$; and β -2CaO $\cdot \text{SiO}_2$. The authors established previously (this journal 1960, abstract 77498) that CaO reacts also with chromium and forms an acid-soluble chromato-chromite $9\text{CaO} \cdot 4\text{CrO}_3 \cdot \text{Cr}_2\text{O}_3$ which combines easily with soda and gives sodium chromate. Study of the plots of the degree of chromium oxidation (in \$\mathscr{n}\$) against the ratio $\text{CaO}/\text{Cr}_2\text{O}_3$ at various roasting times showed that the additional amount of CaO needed for the reaction with chromium is 0.30-0.33 Cr_2O_3 where Cr_2O_3 is content of this oxide in the ore (in \$\mathscr{n}\$). Formula (1) should be replaced, therefore, by formula (2):

 ${\rm CnO} = 1.88~{\rm SiO_2} + 0.91~{\rm Al_2O_3} + 0.82~{\rm Fe_2O_3} + 0.31~{\rm Cr_2O_3}.$

(2)

Card 2/3

which is valid for charges containing 16.5-20.0% Cr203.

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652310003-0

Concerning the Composition of Chromite 77637 SOV/80-33-2-12/50

There are 3 tables; 4 figures; and 1 Soviet reference.

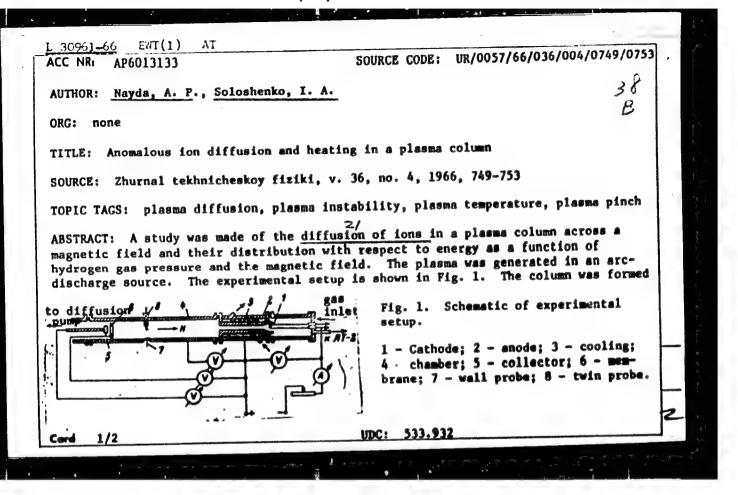
SUBMITTED: June 2, 1959

Card 3/3

SOLOSHENKO, A.A.; VIL'NYANSKIY, Ya.Ye.

Kinetics of hydrogen chloride oxidation on a chromium oxide catalyst. Kin. i kat. 5 no.5:881-887 S-0 '64. (MIRA 17:12)

1. Uraliskiy nauchno-issledovateliskiy khimicheskiy institut.



L 30961-66

ACC NR: AP6013133

by letting the plasma flow along the magnetic field in an insulated copper chamber (44 mm in diameter) through an aperture (10 mm in diameter and 150 mm long) in the anode of the source. The column thus obtained hits an insulated collector (15 mm in diameter) placed 30 cm behind the outlet sperture of the anode. An insulated copper membrane (inside diameter 15 mm, outside diameter 40 mm) was mounted 1 cm ahead the collector. The chamber was pumped at a rate of 200 1/sec. The residual gas pressure in the chamber was about 10-6 mm Hg. Pressure in the source was kept in the range $3\cdot 10^{-2} - 10^{-3}$ mm Hg. The average pressure in the chamber was proportional to the pressure in the source and approximately one order of magnitude lower. Both the plasma source and the chamber were subjected to the homogeneous magnetic field. The magnetic field strength was in the range 180-1500 oe. The ion diffusion in the plasma column was measured by a direct method developed earlier by I. A. Vasil'yeva et al. Constant current and voltage were used in all measurements. It was found that by reducing either the gas pressure or the magnetic field strength below a certain critical value an unstable plasma column is obtained leading to an anomalous ion diffusion and to a sharp rise in the transverse ion temperature. It was noted that before the onset of instability, the Larmor diameter of ions was [JR] close to that of the plasma column. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: 12Apr65/ ORIG REF: 005/ OTH REF: 001/ ATD PRESS: 4239

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A(6) FRANK I BOOK EIPLOITONIOS 30V 2345 Abademijo mauk 8539 Babanarya mandileny prochecal twenthen tolas abimik stator (5000 Frobless	is the Record of Solids Collection of Articles) boson, its-no AB 3533, 1299. 366 y. Brrate ally insered. 2,000 copies princed. 1999. 366 y. Brrate ally insered. 2,000 copies princed. Mitterfal Bacti A.F. Infr., Anderitical G. Y. Enricyment, Anderities S. Brrate is all Emmission Corresponding Newer, 15538 Anchesy of Extenses J. P. Treas. Manterfal Bacti A.F. Infr., Anderitical G. Y. Enricyment D. P. Treas. Seamention, Corresponding Newer, 15538 Anchesy of Extenses J. P. Treas. Desire of Rectangland and Natherities of Statement Princes, Princesoff Bacting of Rectangland and Natherical Sciences, Princesoff Bacting of Regulariant Enrichment Desire of Regulariant Bacton of Themselve Angels and Natherical Sciences Friends of Themselve Angels and Natherical Sciences Friends Sciences Princesoff Themselve Angels and Natherical Sciences Friends Sciences Princesoff Themselve Angels and Natherical Sciences Friends and Sciences J. Princesoff Themselve Angels and Natherical Sciences Princesoff Themselve J. Bactin, A. Saparian and Natherical Sciences J. Princesoff Themselve J. Bactin, J. Langer and J.	Completes of reconstant occusions (pupped) many, easy, 1908s; This book is fatens, 4 for conservation engineers, becomingforts, physic- faten and other personnel statement in the structure of anteriols. 1909 and other personnel statement is the complete by the Ordelbalty Pittibe-	mean this solutions to this was conjusted and beloasiful bittered) at the Pistics-derichanty farities at 8550 (Bestives of Aplied Parise, and the Pistics-derichanty farities at 8550 (Bestives of Aplied Parise, making of Sciences, USS) is commercial of the Schib birthay of Rinkly (Ballayers) farities by labors of the Schib birthay of Sciences, forest and hand at the Schib prochasts marginally dispersant of the Schib birthay of Sciences, forest bertalajas the Ballites fisichestop metallowische (Sparamat of Parise) beatling is the Leitzerhardy plateablishming farities (Sparamat of Parise) behalten besties the Schiberts of the Stalin First (Behave First behalten).	the hamor of Laber (1975) and the Creeks of Lines (1975). The articles deal of the hamor of Laber (1975) and the Creeks of Lines (1975). The articles deal of the third of the Creeks of the Creeks, and passed to the Creeks, Internation of marrials proporties of Therefore Davids of The Creeks of T	Degram-Seft, and E.Mr. Deathwritty (Institute of Applies Peries, Endowy of Releases, USB, Lettagrad). The Deposits of Streeth Seft Efforces Land Conditions. Bestson, E.L., Conditions, A.A., Designations, and E.T., Elektron, Seft Efforces of Streets. Taken Seft Seft Seft Seft Seft Seft Seft Seft	Place, R.D., and A.P. Ernako (hendarravanny miwratus i inai der'hago, de Tharlise Pake daiweity inai Carty, Mar'isry. Biffusian Greep of Grant September 1978 Product from Product from Product from Product from Product from September 1978 and S.B. Tharlism, Chartess fraith meaning of the September from 1978 and September 1978 and Septe	Emberon, T.A. (Institut popusorodath.» As BEST, Instignational, Sunface Sunfac	Lab., and S.E. Enightia (2.7 po percendates merit (polsebanica menge hiddens bilita, d. delagrad-dejentific Essanda listi- britalem Britales and Predaction of Essibalic Liquid Pals. 1). Esture of the Physical Tiblis Palse of Secal incl. Pals.
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s/181/60/002/008/025/045 B006/B063

24.4100

AUTHOR:

Soloshenko, I. I.

TITLE:

The Dependence of the Decrement of Damping on the Number

of Cycles in Fatigue Tests

PERIODICAL:

Fizika tverdogo tela, 1960, Vol. 2, No. 8,

pp. 1864 - 1868

TEXT: The investigations described in the present paper were performed with natural rock-salt crystals 30x10x2 mm large, which had previously been annealed for 2-2.5 days at 650 C. They were arranged as described in the paper of Ref. 4 and schematically shown in Fig. 1, after which they were examined at room temperature and a frequency of about 1 cps. The decrement, δ , was determined from the relation δ = ln 2/n, where n denotes the number of vibrations occurring until the amplitude has dropped to half its value. Control measurements of the decrement were carried out every 24 hours during the first 40 days and later every four to five hours. Results of the measurement of sample No. 90 are

Card 1/3

83006

The Dependence of the Decrement of Damping on S/181/60/002/008/025/045 the Number of Cycles in Patigue Tests B006/B063

shown in Fig. 2 (δ as a function of the number of cycles). Within 45 days, the crystal was subjected to about 4.10 bending vibrations of constant amplitude until it broke. During the first 2,000 vibrations b decreased rapidly; later, it remained almost unchanged. Next, the results of other authors are discussed, and the results of the present work are summed up: 1) The diagram obtained is a complete representation of the dependence of the decrement of damping on the number of wibrations, from the first vibrations until the breaking of the rock-salt crystal. 2) This diagram permits the determination of the fatigue limit (where the decrement of damping shows he first discontinuity in the diagram). 3) On the basis of the laws governing the change in the decrement of damping with progressing fatigue it is possible to divide this process into five stages: 1) solidification; 2) continuous work in the solid state; 3) formation of cracks; 4) development of cracks; 5) breaking. Finally, the author thanks R. I. Garber and I. A. Gindin for their interest in this work and discussions. L. A. Glikman, V. A. Zhuravley, T. N. Snezhkova, M. A. Bol'shanina, and V. Ye. Panin are also mentioned. There are 3 figures and 9 Soviet references.

Card 2/3

83006

The Dependence of the Decrement of Damping on \$/181/60/002/008/025/045 B005/B063 the Number of Cycles in Fatigue Tests

ASSOCIATION: Khar'kovskiy pedagogicheskiy institut fizicheskogo vospitaniya im. G. S. Skovorody (Khar'kov Pedagogical Institute of Teaching of Physics imeni G. S. Skovorodal

SUBMITTED: January 11, 1950

Card 3/3

S/126/60/010/006/020/022 E201/E491

AUTHORS:

Garber, R.I. and Soloshenko, L.I.

TITLE:

The Dependence of the Damping Decrement on the Amplitude of Elastic Vibrations and the Plastic

Deformation of Overstressed Micro-Regions

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol.10, No.6,

The authors show that changes of the damping decrement (5) indicate that hardening of crystals by plastic deformation at large vibration amplitudes (a) does not preclude hardening at small For each effective stress (d) there is a set of weak points which can be cured by plastic deformation, verify these theoretical conclusions, the damping decrement was measured at various values of N (the total number of vibrations) and o for rocksalt monocrystals and polycrystalline plates of All measurements were carried out at 1 c/s at The results for rocksalt (Fig.1 and 2) and commercial lead. lead (Fig.3), plotted in the form of 6(N) curves at various values room temperature. of o, confirmed the conclusions arrived at theoretically.

Card 1/2

5/126/60/010/005/020/022 E201/E491

The Dependence of the Damping Decrement on the Amplitude of Elastic Vibrations and the Plastic Deformation of Overstressed Micro-Regions

are 3 figures and 6 references: 5 Soviet and 1 non-Soviet.

ASSOCIATION: Khar¹kovskiy gosudarstvennyy pedagogicheskiy institut fizicheskogo vospitaniya im. G.S.Skovorody

(Khar'kov State Pedagogical Institute for Physical

Training imeni G.S.Skovoroda)

SUBMITTED: June 7, 1960

Card 2/2

GARBER, R.I.; SOLOSHENKO, I.I.

Effect of annealing on the decrease in the damping of an alternating elastic-plastic flexure. Fiz. met. i metalloved. 12 no.1:153-155
J1 '61. (MIRA 14:8)

 Khar'kovskiy pedagogicheskiy institut imeni G.S.Skovorody. (Metal crystals) (Deformations (Mechanics))

8/0058/64/000/006/2052/2052

ACCESSION NR: AR4044007

SOURCE: Ref. zh. Fizika, Abs. 6E388

AUTHOR: Garber, R. I.; Soloshenko, I. I.

TITLE: The accumulation of microflaws during elastico-plastic alternating bending

CITED SOURCE: Sb. Relaksats. yavleniya v met. i splavakh. M., Netallurgizdat, 1963, 80-84

TOPIC TAGS: microflaw, elasticoplastic bending, alternating bending, crystal, transparent crystal

TRANSLATION: Studies the regularities of the accumulation, in transparent crystals. during elastico-plastic bending, of dislocations and flaws that scatter light, and investigates the influence of this accumulation on internal friction. Investigates NaCl and LiF single crystals preliminarily annealed at 65°C for 40 and 25 hours, respectively. The amplitude of the stress was 200 g/mm². The obtained curves of the dependence of the logarithmic decrement and the value of the photocurrent (transparency) I on the number of bending oscillations of the sample N

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ACCESSION NR: AR4044007

show that with increasing N the integral scattering of white light increases. Saturation in the change of these properties is observed after 10° cycles. During 5'-ps and holding of the crystal without load there occurs partial recovery of transparency with unchanged 5'.

SUB CODE: SS, ME

INCL: 00

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8/0137/64/000/005/1049/1049

ACCESSION NR: AR4041609

SOURCE: Ref. zh. Hetallurgiya, Abs. 51289

AUTHOR: Garber, R. I.; Soloshenko, I. I.

TITLE: Accumulation of microdefects during elastico-plastic reverse bend

CITED SOURCE: Sb. Relaksats. yavleniya v met. i splavakh. M., Metallurgizdat,

1963, 80-84

TOPIC TAGS: microdefect, crystal, elasticoplastic bend, reverse bend

TRANSLATION: On special installation, a diagram and description of which are given, regularities are studied of accumulation in transparent crystals during elasticoplastic bend of the dislocations and defects scattering light, and the influence of accumulation of defects on internal friction. Working frequency of forced oscillations of samples amounted to ~1 cps. Integral light scattering was determined on electronic installation with FEU-18A photomultiplier. Intensity of light scattering was measured with motionless sample — during steps of pendulum.

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L 00734-66 EVT(m)/T/EVP(t)/EVP(b)/EVA(c) JD

ACCESSION NR: AP5022700

UR/0181/65/007/009/2655/2659

AUTHOR: Garber, R. I.; Soloshenko, I. I.; Khaldey, O. A.

TITLE: Relaxation of critical stresses of motion and critical stresses of multiplication of dislocations with repeated bending

SOURCE: Fizika tverdogo tela, v. 7, no. 9, 1965, 2655-2659

TOPIC TAGS: lithium fluoride, sodium chloride, plastic deformation, bend test, bending stress, stress relaxation

ABSTRACT: Critical stresses of multiplication and motion of dislocations are studied in lithium fluoride and sodium chloride specimens as functions of the number of loading cycles, the temperature and the loading method. It is found that there is a reduction in the critical stress with an increase in the number of cycles. For LiF, one-time loading is associated with a stress of 600, ten times loading with 250, and 100 times with 70 g mm². The corresponding values for NaCl are 300, 150 and 50 g mm². Mechanical strength increases with the number of cycles. This is shown by a gradual reduction in the number of regenerated dislocations and by a decrease in the damping constant of elastoplastic vibrations. Holding in the unloaded state at room temperature for 150 seconds after each loading cycle complete-

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ACCESSION NR: AP5022700

ly nullifies the effect of repeated bending. The effect is also cancelled by a frequency of 1 cps at a high temperature (300°C). It is assumed that the multiple loading effect is caused by separation of the dislocations from barriers. The energy of activation for effecting this separation is ~0.4 ev. The results show that the repeated action of small stresses can cause plastic deformations if the pauses are short enough to prevent reversal of the process. Orig. art. has: 10 figures, 1 table.

ASSOCIATION: Khar'kovskiy gosudarstvennyy pedagogicheskiy institut im. G. S. Skovorody (Kharkov State Padagogical Institute)

SUBMITTED: 09Mar65

ENCL: 00

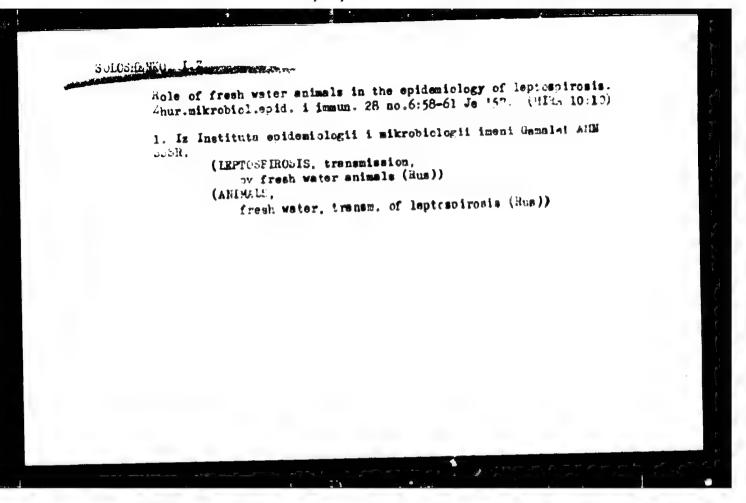
SUB CODE: A8

NO REF SOV: 003 OTHER: 002

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APPROVED FOR RELEASE: 08/25/2000

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SOLOSHENKO, I.Z.

Role of blood-sucking arthropods in the transmission and preservation of pathogenic Leptospira. Report No.1: Role of blood-sucking arthropods in the transmission and preservation of the causative agent of Vasilev-Weil's disease. Zhur.mikrobiol.epid. i immun. no.1:22-27 Ja 159. (MIRA 11:4)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(WEILS DISHASE, transmission, by arthropods (Rus) (ARHTROPODS, Weil's dis. transm. (Rus)

SOLOSHENKO, I.Z.; KHORAVA, G.V.

Carriage of Leptospirae by dogs in the Maritime Zone of the Abkhazian ASSR. Zhur. mikrobiol. epid. i immun. 31 no.7:140-141 J1 '60. (MIRA 13:9)

1. Iz Instituta epidemiologii i mikrobiologii im. Gamalei AMN SSSR

i Gudautskoy infektsionnoy bol'nitsy.
(ABICHAZIA—LEPTOSPIROSIS)

(DOGS AS CARRIERS OF DISEASE)

SOLOSHENKO, I.Z.; KHORAVA, G.V.

Role of cattle in the epidemiology of leptospirosis icterohemorrhagiae. Zhur.mikrobiol.epid.i immun. 32 no.2:79-80 F '61. (MIRA 14:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR i Gudautskoy infektsionnoy bol'nitsy. (WEIL'S DISEASE) (ABKHAZIA—CATTLE DISEASES AND PESTS)

SOLOSHENKO, I.Z.

Role of bloodsucking arthropods in transmitting and preserving pathogenic lertospirae. Report No. 2: Relation of bloodsucking arthropods to the pathogens of anicteric leptospirosis. Zhur. mikrobiol., epid.i immun. 33 no.4:31-34 Ap '62. (MIRA 15:10)

1.Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(INSECTS AS CARRIERS OF DISEASE) (LEPTOSPIROSIS)